

Windbreak Interpretations

Farmstead windbreaks protect livestock, buildings, and yards from wind and snow. They also protect fruit trees and gardens, and they furnish habitat for wildlife. Several rows of low-growing and high-growing broadleaf and coniferous trees and shrubs provide the most protection.

Field windbreaks are narrow plantings made at right angles to the prevailing wind and at specific intervals across the field. The interval depends on the erodibility of the soil. Field windbreaks protect cropland and crops from wind, help to keep snow on the fields, increase crop yields, and provide food and cover for wildlife.

Each tree or shrub species has certain climatic and physiographic limits. Within these parameters a tree or shrub may be well or poorly suited because of soil characteristics. Each tree or shrub also has definable potentials of height growth based on the soil type and climate.

Information in this subsection, which includes windbreak suitability groups and a windbreak and environmental plantings table, can be used as a guide in planning windbreaks and screens.

This subsection includes:

- **(a) Trees and Shrubs for Windbreak and Environmental Plantings**

Madison County, Missouri
Windbreaks and Environmental Plantings

(Absence of an entry indicates that trees generally do not grow to the given height.)

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
73055: Alred-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Rueter-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73139: Poynor-----	fragrant sumac; ninebark; St. Johnswort	eastern redcedar; possumhaw; roughleaf dogwood; Washington hawthorn	arborvitae; bur oak; green hawthorn; post oak	Austrian pine; green ash; hackberry; honeylocust; pin oak	---
Clarksville-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Scholten-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73140: Clarksville-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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	<8	8-15	16-25	26-35	>35
73140: (cont) Scholten-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73141: Firebaugh-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73142: Firebaugh-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73143: Courtois-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
73144: Courtois-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine

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73145: Crider-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
73146: Marquand-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
73147: Fourche-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
73148: Jonca-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73149: Caneyville-----	fragrant sumac; ninebark; St. Johnswort	eastern redcedar; possumhaw; roughleaf dogwood; Washington hawthorn	arborvitae; bur oak; green hawthorn; post oak	Austrian pine; green ash; hackberry; honeylocust; pin oak	---

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Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
73149: (cont) Bucklick-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
73150: Caneyville-----	fragrant sumac; ninebark; St. Johnswort	eastern redcedar; possumhaw; roughleaf dogwood; Washington hawthorn	arborvitae; bur oak; green hawthorn; post oak	Austrian pine; green ash; hackberry; honeylocust; pin oak	---
Bucklick-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
73151: Caneyville-----	fragrant sumac; ninebark; St. Johnswort	eastern redcedar; possumhaw; roughleaf dogwood; Washington hawthorn	arborvitae; bur oak; green hawthorn; post oak	Austrian pine; green ash; hackberry; honeylocust; pin oak	---
Gasconade-----	---	---	---	---	---
Bucklick-----	American hazelnut; fragrant sumac	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple; white oak	northern red oak; tuliptree; white ash	eastern white pine

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73152: Lily-----	American hazelnut; coralberry; flameleaf sumac	American plum; blue spruce; eastern redcedar; gray dogwood; Washington hawthorn	common serviceberry; persimmon; post oak; shingle oak	Austrian pine; black oak	---
Ramsey-----	---	---	---	---	---
73153: Lily-----	American hazelnut; coralberry; flameleaf sumac	American plum; blue spruce; eastern redcedar; gray dogwood; Washington hawthorn	common serviceberry; persimmon; post oak; shingle oak	Austrian pine; black oak	---
Ramsey-----	---	---	---	---	---
73154: Ramsey-----	---	---	---	---	---
Rock outcrop-----	---	---	---	---	---
73155: Gasconade-----	---	---	---	---	---
Rock outcrop-----	---	---	---	---	---
73156: Alred-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Gepp-----	fragrant sumac; ninebark; St. Johnswort	eastern redcedar; possumhaw; roughleaf dogwood; Washington hawthorn	arborvitae; bur oak; green hawthorn; post oak	Austrian pine; green ash; hackberry; honeylocust; pin oak	---

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73157: Captina-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
74644: Deible-----	common buttonbush; common ninebark	possumhaw; sandbar willow	black willow; bur oak; green hawthorn	baldcypress; green ash; pecan; red maple; swamp white oak; sweetgum	eastern cottonwood; silver maple
74645: Higdon-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine
74646: Cornwall-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
74647: Cornwall-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
74648: Aslinger-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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74649: Aslinger-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Waben-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
74650: Higdon-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine
74684: Raccoon-----	common buttonbush; common ninebark	possumhaw; sandbar willow	black willow; bur oak; green hawthorn	baldcypress; green ash; pecan; red maple; swamp white oak; sweetgum	eastern cottonwood; silver maple
75381: Bearthicket-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine
75395: Jamesfin-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine

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75408: Secesh-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
75409: Relfe-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
75410: Relfe-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
75411: Tilk-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
75416: Gladden-----	American hazelnut; common ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine
77000: Killarney-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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77000: (cont) Frenchmill-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
77001: Loughboro-----	fragrant sumac; ninebark; St. Johnswort	eastern redcedar; possumhaw; roughleaf dogwood; Washington hawthorn	arborvitae; bur oak; green hawthorn; post oak	Austrian pine; green ash; hackberry; honeylocust; pin oak	---
77002: Delassus-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
77003: Delassus-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
77004: Irondale-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
77005: Hassler-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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77005: (cont) Syenite-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
77006: Roselle-----	---	---	---	---	---
77007: Taumsauk-----	---	---	---	---	---
Irondale-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Rock outcrop-----	---	---	---	---	---
77008: Hassler-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
77009: Trackler-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
77010: Trackler-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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77010: (cont) Irondale-----	common ninebark; coralberry; fragrant sumac	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
78250: Skrainka-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
78251: Skrainka-----	American hazelnut; fragrant sumac; southern arrowwood	American plum; blue spruce; eastern hophornbeam; eastern redbud; eastern redcedar; roughleaf dogwood	arborvitae; common serviceberry; sugar maple	northern red oak; tuliptree; white ash; white oak	eastern white pine
99001: Water-----	---	---	---	---	---
99006: Udipsamments-----	---	---	---	---	---
99008: Udorthents-----	---	---	---	---	---
Dumps-----	---	---	---	---	---